

# WEST Search History

Hide Items

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DATE: Tuesday, November 06, 2007

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L87	L86 and (parallel or bar or rod or beam)	33
<input type="checkbox"/>	L86	L83 and (lug)	36
<input type="checkbox"/>	L85	L84 and (lug)	0
<input type="checkbox"/>	L84	L83 and ((multi or multiple or plural or dual or tri) with (pole or polar) with (switch\$4))	13
<input type="checkbox"/>	L83	L82 and (coil with capacit\$4 with circuit\$3)	1398
<input type="checkbox"/>	L82	L81 and (switch\$4)	54087
<input type="checkbox"/>	L81	(commutat\$3)	115403
<input type="checkbox"/>	L80	L79 and (vacuum)	9
<input type="checkbox"/>	L79	L70 and L43	39
<input type="checkbox"/>	L78	L77 and L43	2
<input type="checkbox"/>	L77	L76 and (((coil or antenna or probe or winding or loop or ring or anulus or anular\$2) same (capacit\$4)) same (circuit\$4))	77
<input type="checkbox"/>	L76	L75 and (disconnect\$4 or dis-connect\$4 or remov\$4 or eliminat\$4)	102
<input type="checkbox"/>	L75	L74 and ((toggle or toggl\$4 or movable or move or moved or moving or motion or alternat\$4 or change or changeable or changing or changed or varied or variable or oscillat\$4 or varying or rotat\$4 or nutat\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary) same ((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode)))	110
<input type="checkbox"/>	L74	L73 and ((inserting or inserted or insertable or adding or added or add or includ\$3 or additional) with (switch\$4))	134
<input type="checkbox"/>	L73	L72 and ((coil or antenna or probe or winding or loop or ring or anulus or anular\$2) same (capacit\$4))	262
<input type="checkbox"/>	L72	L71 and (capacit\$4)	419
<input type="checkbox"/>	L71	L70 and ((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode))	444
<input type="checkbox"/>	L70	L69 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4 or end or terminus or termin\$4 or node) same (gold or silver or copper or metal or metallic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))	1539
<input type="checkbox"/>	L69	L68 and (((nuclear or magnetic or electron) with (resonan\$2)) or NMR or MRI or ESR)	3154
<input type="checkbox"/>	L68	(equivalent same series same resistanc\$2)	25087
<input type="checkbox"/>	L67	L65 and (equivalent same series same resistanc\$2)	2
<input type="checkbox"/>	L66	L65 and (equivalent same series same resistant)	1
<input type="checkbox"/>	L65	L64 and ((series) same (switch\$4))	19
<input type="checkbox"/>	L64	L49 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4 or end or terminus or termin\$4 or node) same (gold or silver or copper or metal or metallic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))	31
<input type="checkbox"/>	L63	L62 and (((nuclear or magnetic or electron) with (resonan\$2)) or NMR or MRI or ESR)	1

<input type="checkbox"/>	L62	(series with resistant with switch\$4)	120
<input type="checkbox"/>	L61	L60 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4 or end or terminus or termin\$4 or node) same (gold or silver or copper or metal or metallic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))	5
<input type="checkbox"/>	L60	L59 and ((series) same (switch\$4))	24
<input type="checkbox"/>	L59	fetzner	369
<input type="checkbox"/>	L58	L57 and ((series) same (switch\$4))	12
<input type="checkbox"/>	L57	L56 and (parallel)	19
<input type="checkbox"/>	L56	L55 and (series)	26
<input type="checkbox"/>	L55	L54 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4) same (gold or silver or copper or metal or metallic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))	27
<input type="checkbox"/>	L54	L49 and (gold or silver or copper or metal or metallic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu")	55
<input type="checkbox"/>	L53	L52 and ((contact\$4 or connect\$4 or link\$4 or bridg\$4) same (gold or silver or copper or metal or metallic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu"))	23
<input type="checkbox"/>	L52	L51 and (gold or silver or copper or metal or metallic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu")	50
<input type="checkbox"/>	L51	L50 and (((coil or antenna or probe or winding or loop or ring or anulus or anular\$2) same (capacit\$4)) same (circuit\$4))	79
<input type="checkbox"/>	L50	L49 and (circuit\$4)	94
<input type="checkbox"/>	L49	L48 and L43	96
<input type="checkbox"/>	L48	L47 and ((toggle or togg1\$4 or movable or move or moved or moving or motion or alternat\$4 or change or changeable or changing or changed or varied or variable or oscillat\$4 or varying or rotat\$4 or nutat\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary) same ((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode)))	1349
<input type="checkbox"/>	L47	L46 and (disconnect\$4 or dis-connect\$4 or remov\$4 or eliminat\$4)	1798
<input type="checkbox"/>	L46	L32 and ((inserting or inserted or insertable or adding or added or add or includ\$3 or additional) with (switch\$4))	2185
<input type="checkbox"/>	L45	L44 and (gold or silver or copper or metal or metallic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu")	4
<input type="checkbox"/>	L44	L43 and L41	8
<input type="checkbox"/>	L43	((324/300  324/301  324/302  324/303  324/304  324/305  324/306  324/307  324/308  324/309  324/310  324/311  324/312  324/313  324/314  324/315  324/316  324/317  324/318  324/319  324/320  324/321  324/322).ccls.) or ((600/407  600/408  600/409  600/410  600/411  600/412  600/413  600/414  600/415  600/416  600/417  600/418  600/419  600/420  600/421  600/422  600/423  600/424  600/425  600/426  600/427  600/428  600/429  600/430  600/431  600/432  600/433  600/434  600/435).ccls.) or ((333/219  333/219.1  333/219.2  333/220  333/221  333/222  333/223  333/224  333/225  333/226  333/227  333/228  333/229  333/230  333/231  333/232  333/233  333/234  333/235).ccls.) or ((335/296  335/297  335/298  335/299  335/300  335/301  335/302  335/303  335/304  335/305  335/306).ccls.) or ((382/128  382/129  382/130  382/131).ccls.))	32935
<input type="checkbox"/>	L42	L41 and (lug)	6
<input type="checkbox"/>	L41	L40 and ((Multiple or "multi" or multipole or "multi-pole") same (switch\$4))	226
<input type="checkbox"/>	L40	L39 and ((toggle or togg1\$4 or movable or move or moved or moving or motion or alternat\$4 or change or changeable or changing or changed or varied or variable or oscillat\$4 or varying or rotat\$4 or nutat\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary) same ((quiescent\$3 or inactiv\$3 or "off" or rest\$3) same (position or state or operat\$4 or mode)))	468

<input type="checkbox"/>	L39	L38 and (toggle or toggle\$4 or movable or move or moved or moving or motion or alternate\$4 or change or changeable or changing or changed or varied or variable or oscillate\$4 or varying or rotate\$4 or nutate\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary)	547
<input type="checkbox"/>	L38	L36 and (((tiny or minuscule\$2 or small or little or minor or bit) with (gap or space or hole or distance or area or region or zone or volume)) same (position or state or operate\$3 or mode))	547
<input type="checkbox"/>	L37	L36 and (((tiny or minuscule\$4 or small or little or minor or bit) with (gap or space or hole or distance or area or region or zone or volume)) same (position or state or operate\$4 or mode))	547
<input type="checkbox"/>	L36	L32 and ((tiny or minuscule\$4 or small or little or minor or bit) with (gap or space or hole or distance or area or region or zone or volume))	1028
<input type="checkbox"/>	L35	L34 and (toggle or toggle\$4 or movable or move or moved or moving or motion or alternate\$4 or change or changeable or changing or changed or varied or variable or oscillate\$4 or varying or rotate\$4 or nutate\$4 or flip\$4 or tip\$4 or twist\$4 or dial\$4 or rotary)	520
<input type="checkbox"/>	L34	L33 and (gold or silver or copper or metal or metallic\$4 or rhodium or "rh" or "Ag" or "Au" or mercury or "cu")	520
<input type="checkbox"/>	L33	L32 and ((tiny or minuscule\$4 or small or little or minor or bit) with (gap or space or hole or distance))	622
<input type="checkbox"/>	L32	L31 and ((switch\$4) same (contact\$4 or connect\$4 or link\$4 or bridge\$4))	3249
<input type="checkbox"/>	L31	L30 and ((coil or antenna or probe or winding or loop or ring or anulus or annular\$2) same (capacitance\$4))	4129
<input type="checkbox"/>	L30	L29 and (capacitance\$4)	8389
<input type="checkbox"/>	L29	L28 and (contact\$4 or connect\$4 or link\$4 or bridge\$4)	12764
<input type="checkbox"/>	L28	L27 and (coil or antenna or probe or winding or loop or ring or anulus or annular\$2)	13094
<input type="checkbox"/>	L27	L26 and (switch\$4)	15115
<input type="checkbox"/>	L26	L25 and (((nuclear or magnetic or electron) with (resonance\$2)) or NMR or MRI or ESR)	41820
<input type="checkbox"/>	L25	((quiescent\$3 or inactive\$3 or "off" or rest\$3) same (position or state or operate\$4 or mode))	2910591
<input type="checkbox"/>	L24	((quiescent\$4 or inactive\$4 or "off" or rest\$3) same (position or state or operate\$4 or mode))	2918988
<input type="checkbox"/>	L23	L22 and (quiescent\$4)	2
<input type="checkbox"/>	L22	L16 and (switch\$4)	179
<input type="checkbox"/>	L21	L20 and (switch\$4)	1
<input type="checkbox"/>	L20	L19 and (((nuclear or magnetic or electron) with (resonance\$2)) or NMR or MRI or ESR)	1
<input type="checkbox"/>	L19	L16 and ((equivalent same series same resistant) same (switch\$4))	85
<input type="checkbox"/>	L18	L17 and ((equivalent with series with resistant) same (switch\$4))	1
<input type="checkbox"/>	L17	(equivalent with series with resistant)	52
<input type="checkbox"/>	L16	(equivalent same series same resistant)	1659
<input type="checkbox"/>	L15	L13 and (equivalent same series same resistant)	25
<input type="checkbox"/>	L14	L13 and (equivalent with series with resistant)	1
<input type="checkbox"/>	L13	((nuclear or magnetic or electron) with (resonance\$2)) or NMR or ESR)	149464
<input type="checkbox"/>	L12	L11 and (lug)	8
<input type="checkbox"/>	L11	L10 and (parallel or bar or rod or beam)	176
<input type="checkbox"/>	L10	L1 and ((multi or multiple or plural or dual or tri or bi) with (pole or polar) with (switch\$4))	216
<input type="checkbox"/>	L9	L8 and (parallel or bar or rod or beam)	3
<input type="checkbox"/>	L8	L7 and (lug)	3
<input type="checkbox"/>	L7	L6 and ((multi or multiple or plural or dual or tri) with (pole or polar) with (switch\$4))	24

<input type="checkbox"/>	L6	L2 and ((switch\$4) with ((member or surface) with (contact or node or connect\$3)))	1659
<input type="checkbox"/>	L5	L2 and ((switch\$4) wuith ((member or surface) with (contact or node or connect\$3)))	0
<input type="checkbox"/>	L4	L2 and ((member or surface) with (contact or node or connect\$3))	5963
<input type="checkbox"/>	L3	L2 and (member or surface or contact or node or connect\$3)	25273
<input type="checkbox"/>	L2	L1 and (switch\$4)	26735
<input type="checkbox"/>	L1	(coil with capacit\$4 with circuit\$3)	43787

END OF SEARCH HISTORY

# Hit List

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## Search Results - Record(s) 1 through 3 of 3 returned.

☐ 1. Document ID: US 20060091886 A1

L9: Entry 1 of 3

File: PGPB

May 4, 2006

PGPUB-DOCUMENT-NUMBER: 20060091886

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060091886 A1

TITLE: Low esr switch for nuclear resonance measurements

PUBLICATION-DATE: May 4, 2006

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Flexman; John Harold	Western Australia		AU
Aitken; Christopher Norman	Western Australia		AU

US-CL-CURRENT: 324/322

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 2. Document ID: US 2996612 A

L9: Entry 2 of 3

File: USOC

Aug 15, 1961

US-PAT-NO: 2996612

DOCUMENT-IDENTIFIER: US 2996612 A

TITLE: Stop-on-signal radio tuning means

DATE-ISSUED: August 15, 1961

INVENTOR-NAME: ANDREWS EDWARD F

US-CL-CURRENT: 455/161.3; 116/254, 334/19, 334/74, 381/396, 455/234.1, 455/343.1, 74/10.15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 3. Document ID: US 2573208 A

L9: Entry 3 of 3

File: USOC

Oct 30, 1951

US-PAT-NO: 2573208

DOCUMENT-IDENTIFIER: US 2573208 A

TITLE: Motor analyzer

## Record List Display

DATE-ISSUED: October 30, 1951

INVENTOR-NAME: LOGAN WILLIAM W

US-CL-CURRENT: 324/378; 324/76.11, 73/117.2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	IMC	Draw Desc	Image
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Bkwd Refs

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Term	Documents
PARALLEL	3741154
PARALLELS	20396
BAR	1444735
BARS	638494
ROD	1694298
RODS	673746
BEAM	1398332
BEAMS	500830
(8 AND (PARALLEL OR BAR OR ROD OR BEAM) ) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.	3
(L8 AND (PARALLEL OR BAR OR ROD OR BEAM) ) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD.	3

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[First Hit](#) [Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)**Search Results - Record(s) 1 through 33 of 33 returned.**☐ 1. Document ID: US 20070153558 A1

L87: Entry 1 of 33

File: PGPB

Jul 5, 2007

PGPUB-DOCUMENT-NUMBER: 20070153558

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070153558 A1

TITLE: Method and apparatus for DC to AC power generator

PUBLICATION-DATE: July 5, 2007

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Alexander; Robert W.	Yucaipa	CA	US
Alexander; Josette M.	Yucaipa	CA	US

US-CL-CURRENT: [363/131](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 2. Document ID: US 20020107054 A1

L87: Entry 2 of 33

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020107054

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020107054 A1

TITLE: Hand-held electronic device

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Fujisawa, Teruhiko	Shiojiri-shi, Nagano-ken		JP
Chihara, Hiroyuki	Okaya-shi, Nagano-ken		JP

US-CL-CURRENT: [455/573](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RMC	Draw Desc	Image
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☐ 3. Document ID: US 7181179 B2

L87: Entry 3 of 33

File: USPT

Feb 20, 2007

US-PAT-NO: 7181179

DOCUMENT-IDENTIFIER: US 7181179 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Hand-held electronic device

DATE-ISSUED: February 20, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20020107054 A1

August 8, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fujisawa; Teruhiko	Shiojiri			JP
Chihara; Hiroyuki	Okaya			JP

US-CL-CURRENT: 455/129; 455/127.1, 455/418, 455/419, 455/420, 455/550.1, 455/572, 455/90.3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	ROMC	Draw Desc	Image
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☐ 4. Document ID: US 4671123 A

L87: Entry 4 of 33

File: USPT

Jun 9, 1987

US-PAT-NO: 4671123

DOCUMENT-IDENTIFIER: US 4671123 A

TITLE: Methods and apparatus for pipetting and/or titrating liquids using a hand held self-contained automated pipette

DATE-ISSUED: June 9, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Magnussen, Jr.; Haakon T.	Pinole	CA		
Smith; Gary L.	Walnut Creek	CA		
Ruskewicz; Stephen J.	Kensington	CA		
Wingo; Anthony K.	Oakland	CA		

US-CL-CURRENT: 73/864.16; 422/926, 436/179, 436/180, 436/51, 73/864.14, 73/864.18

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	ROMC	Draw Desc	Image
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☐ 5. Document ID: US 4663536 A

L87: Entry 5 of 33

File: USPT

May 5, 1987

US-PAT-NO: 4663536

DOCUMENT-IDENTIFIER: US 4663536 A

TITLE: A.C. motor-generator

DATE-ISSUED: May 5, 1987



## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roesel, Jr.; John F.	Bradenton	FL		
Barber; Ronnie J.	Bradenton	FL		

US-CL-CURRENT: 290/7; 290/45, 318/705, 318/720, 318/729, 318/814

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw Desc	Image
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☐ 6. Document ID: US 4600873 A

L87: Entry 6 of 33

File: USPT

Jul 15, 1986

US-PAT-NO: 4600873

DOCUMENT-IDENTIFIER: US 4600873 A

TITLE: Synchronous A.C. motor

DATE-ISSUED: July 15, 1986

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Roesel, Jr.; John F.	Bradenton	FL		
Barber; Ronnie J.	Bradenton	FL		

US-CL-CURRENT: 318/701; 310/163, 310/DIG.2, 318/705, 318/720, 318/729, 318/814

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw Desc	Image
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☐ 7. Document ID: US 4230402 A

L87: Entry 7 of 33

File: USPT

Oct 28, 1980

US-PAT-NO: 4230402

DOCUMENT-IDENTIFIER: US 4230402 A

TITLE: Flash exposure control system

DATE-ISSUED: October 28, 1980

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Uchiyama; Takashi	Yokohama			JP
Nakamura; Zenzo	Urawa			JP
Ohtaki; Shohei	Yokohama			JP

US-CL-CURRENT: 396/161; 235/64.7, 396/170

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw Desc	Image
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☐ 8. Document ID: US 4155341 A

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L87: Entry 8 of 33

File: USPT

May 22, 1979

US-PAT-NO: 4155341

DOCUMENT-IDENTIFIER: US 4155341 A

TITLE: Ignition system

DATE-ISSUED: May 22, 1979

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fernquist; James F.	Farmington	MI		
Byrne; James C.	Farmington Hills	MI		

US-CL-CURRENT: 123/406.57; 123/335, 123/617, 123/647

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 9. Document ID: US 4114009 A

L87: Entry 9 of 33

File: USPT

Sep 12, 1978

US-PAT-NO: 4114009

DOCUMENT-IDENTIFIER: US 4114009 A

TITLE: Switching and heat control mechanism for induction heating cooking apparatus having a plurality of work coils

DATE-ISSUED: September 12, 1978

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kiuchi; Mitsuyuki	Kadoma			JP
Amagami; Keizo	Kadoma			JP
Maeda; Shigeru	Osaka			JP
Saegusa; Shigeharu	Osaka			JP

US-CL-CURRENT: 219/622; 200/17R, 219/625, 219/662

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw Desc	Image
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☐ 10. Document ID: US 3923138 A

L87: Entry 10 of 33

File: USPT

Dec 2, 1975

US-PAT-NO: 3923138

DOCUMENT-IDENTIFIER: US 3923138 A

TITLE: Printer with code-controlled tabulator structure

DATE-ISSUED: December 2, 1975

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Willcox; Frederick P.	New Canaan	CT	06840	

US-CL-CURRENT: 400/76; 400/144.2, 400/280, 400/705.4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	IMC	Draw Desc	Image
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☐ 11. Document ID: US 3915280 A

L87: Entry 11 of 33

File: USPT

Oct 28, 1975

US-PAT-NO: 3915280

DOCUMENT-IDENTIFIER: US 3915280 A

TITLE: Printer format controls

DATE-ISSUED: October 28, 1975

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Willcox; Frederick P.	New Canaan	CT	06840	

US-CL-CURRENT: 400/279; 400/291, 400/320

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	IMC	Draw Desc	Image
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☐ 12. Document ID: US 3738472 A

L87: Entry 12 of 33

File: USPT

Jun 12, 1973

US-PAT-NO: 3738472

DOCUMENT-IDENTIFIER: US 3738472 A

TITLE: PRINTER FOR OFF-LINE PRINTING OF SUBSCRIPT AND SUPERScript CHARACTERS AND CODED VERTICAL TAB SETTING

DATE-ISSUED: June 12, 1973

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Willcox; Frederick P.	New Canaan	CT	06840	

US-CL-CURRENT: 400/573; 400/575, 400/582, 400/64, 400/707.2, 400/904

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	IMC	Draw Desc	Image
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☐ 13. Document ID: US 3581022 A

L87: Entry 13 of 33

File: USPT

May 25, 1971

US-PAT-NO: 3581022

DOCUMENT-IDENTIFIER: US 3581022 A

TITLE: MINIATURE TAPE RECORDER

DATE-ISSUED: May 25, 1971

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shigetomi; Sadao	Sagamihara City			JA
Saito; Shoichi	Tokyo			JA

US-CL-CURRENT: 360/60

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc	Image
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☐ 14. Document ID: US 3534847 A

L87: Entry 14 of 33

File: USOC

Oct 20, 1970

US-PAT-NO: 3534847

DOCUMENT-IDENTIFIER: US 3534847 A

TITLE: HIGH SPEED TELEPRINTER

DATE-ISSUED: October 20, 1970

INVENTOR-NAME: WILLCOX FREDERICK P

US-CL-CURRENT: 400/143; 178/34, 400/156.1, 400/163.1, 400/163.3, 400/171, 400/175, 400/248,  
400/568, 400/649, 400/686, 400/703, 400/904

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc	Image
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☐ 15. Document ID: US 3387081 A

L87: Entry 15 of 33

File: USOC

Jun 4, 1968

US-PAT-NO: 3387081

DOCUMENT-IDENTIFIER: US 3387081 A

TITLE: Telegraphic progressive printing system

DATE-ISSUED: June 4, 1968

INVENTOR-NAME: KLEINSCHMIDT EDWARD E; KURT TAUBMANN ; BRADBURY WILBURN F

US-CL-CURRENT: 178/4, 101/93.04, 178/30, 400/155, 400/232, 400/568

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc	Image
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☐ 16. Document ID: US 3340632 A

L87: Entry 16 of 33

File: USOC

Sep 12, 1967

US-PAT-NO: 3340632

DOCUMENT-IDENTIFIER: US 3340632 A

TITLE: Combination sound and slide projector

DATE-ISSUED: September 12, 1967

INVENTOR-NAME: GERRY MARTIN E

US-CL-CURRENT: 353/15; 360/101, 360/251.1, 360/80, 40/906

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc	Image
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☐ 17. Document ID: US 3324240 A

L87: Entry 17 of 33

File: USOC

Jun 6, 1967

US-PAT-NO: 3324240

DOCUMENT-IDENTIFIER: US 3324240 A

TITLE: Telegraphic progressive printing system

DATE-ISSUED: June 6, 1967

INVENTOR-NAME: KLEINSCHMIDT EDWARD E; KURT TAUBMANN ; BRADBURY WILBURN F

US-CL-CURRENT: 178/25, 101/93.04, 178/30, 375/369, 400/657, 400/662

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc	Image
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☐ 18. Document ID: US 3207265 A

L87: Entry 18 of 33

File: USOC

Sep 21, 1965

US-PAT-NO: 3207265

DOCUMENT-IDENTIFIER: US 3207265 A

TITLE: Elevator control system

DATE-ISSUED: September 21, 1965

INVENTOR-NAME: LUND ALVIN O; OSTRANDER WILLIAM M

US-CL-CURRENT: 187/284, 187/293

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Desc	Image
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☐ 19. Document ID: US 3185075 A

L87: Entry 19 of 33

File: USOC

May 25, 1965

US-PAT-NO: 3185075

DOCUMENT-IDENTIFIER: US 3185075 A

TITLE: High speed printer with print hammer control

DATE-ISSUED: May 25, 1965

INVENTOR-NAME: MCGREGOR ARVIN D; IRVINE JR JAMES M

US-CL-CURRENT: 101/93.3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 20. Document ID: US 3028085 A

L87: Entry 20 of 33

File: USOC

Apr 3, 1962

US-PAT-NO: 3028085

DOCUMENT-IDENTIFIER: US 3028085 A

TITLE: Calculating apparatus

DATE-ISSUED: April 3, 1962

INVENTOR-NAME: DONAN JOHN F; POWELL RALPH R ; CHRISTOFF CHRIS A

US-CL-CURRENT: 708/673, 708/542

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 21. Document ID: US 3018040 A

L87: Entry 21 of 33

File: USOC

Jan 23, 1962

US-PAT-NO: 3018040

DOCUMENT-IDENTIFIER: US 3018040 A

TITLE: Combined business machine and tape perforator

DATE-ISSUED: January 23, 1962

INVENTOR-NAME: WALES JR NATHANIEL B

US-CL-CURRENT: 235/60.4; 234/108, 234/128, 235/61PJ

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 22. Document ID: US 2962211 A

L87: Entry 22 of 33

File: USOC

Nov 29, 1960

US-PAT-NO: 2962211

DOCUMENT-IDENTIFIER: US 2962211 A

TITLE: Card controlled calculating punch

DATE-ISSUED: November 29, 1960

INVENTOR-NAME: EDMOND FEBVRE; EUGENIO ESTREMS ; IOINO GHERTMAN ; JEAN ROBINEAU MARCEL

US-CL-CURRENT: 235/434

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 23. Document ID: US 2922332 A

L87: Entry 23 of 33

File: USOC

Jan 26, 1960

US-PAT-NO: 2922332

DOCUMENT-IDENTIFIER: US 2922332 A

TITLE: Electronic devices for locating and measuring indicia

DATE-ISSUED: January 26, 1960

INVENTOR-NAME: LENTZ JOHN J; BENNETT RICHARD L ; ECKERT WALLACE J

US-CL-CURRENT: 235/434, 234/13, 234/65, 234/89, 33/1M, 33/1R, 341/113

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 24. Document ID: US 2797346 A

L87: Entry 24 of 33

File: USOC

Jun 25, 1957

US-PAT-NO: 2797346

DOCUMENT-IDENTIFIER: US 2797346 A

TITLE: Electric motors

DATE-ISSUED: June 25, 1957

INVENTOR-NAME: RANSEEN EMIL L

US-CL-CURRENT: 310/46; 310/49R

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw Desc	Image
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☐ 25. Document ID: US 2616626 A

L87: Entry 25 of 33

File: USOC

Nov 4, 1952

US-PAT-NO: 2616626

DOCUMENT-IDENTIFIER: US 2616626 A

TITLE: Calculator

DATE-ISSUED: November 4, 1952

INVENTOR-NAME: LAKE CLAIR D; AIKEN HOWARD H ; HAMILTON FRANCIS E ; DURFEE BENJAMIN M

US-CL-CURRENT: 708/277, 235/476

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw Desc	Image
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☐ 26. Document ID: US 2580870 A

L87: Entry 26 of 33

File: USOC

Jan 1, 1952

US-PAT-NO: 2580870

DOCUMENT-IDENTIFIER: US 2580870 A

TITLE: Accumulator

DATE-ISSUED: January 1, 1952

INVENTOR-NAME: WILKERSON VICTOR O

US-CL-CURRENT: 235/427; 235/422

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw Desc	Image
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☐ 27. Document ID: US 2427163 A

L87: Entry 27 of 33

File: USOC

Sep 9, 1947

US-PAT-NO: 2427163

DOCUMENT-IDENTIFIER: US 2427163 A

TITLE: Means for increasing the efficiency of full-fashioned knitting machines

DATE-ISSUED: September 9, 1947

INVENTOR-NAME: PAUL SCHMIDT; HAEHNEL HERBERT E

US-CL-CURRENT: 66/82R, 66/110, 66/157

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw Desc	Image
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☐ 28. Document ID: US 2255868 A

L87: Entry 28 of 33

File: USOC

Sep 16, 1941

US-PAT-NO: 2255868

DOCUMENT-IDENTIFIER: US 2255868 A

TITLE: System and apparatus for facsimile telegraphy

DATE-ISSUED: September 16, 1941

INVENTOR-NAME: WISE RALEIGH J; RIDINGS GARVICE H ; O'BRIEN FREDERIC L ; D HUMY FERNAND E

US-CL-CURRENT: 358/469, 358/476, 358/492, 358/496, 358/498

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw Desc	Image
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☐ 29. Document ID: US 2216161 A

L87: Entry 29 of 33

File: USOC

Oct 1, 1940

US-PAT-NO: 2216161

DOCUMENT-IDENTIFIER: US 2216161 A

TITLE: Apparatus for making meteorological observations

DATE-ISSUED: October 1, 1940

INVENTOR-NAME: CURTISS LEON F; ASTIN ALLEN V

US-CL-CURRENT: 340/870.28, 235/61B, 346/33B, 346/33TP, 346/50, 73/170.28

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RIMC	Draw Desc	Image
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☐ 30. Document ID: US 2125071 A

L87: Entry 30 of 33

File: USOC

Jul 26, 1938

US-PAT-NO: 2125071

DOCUMENT-IDENTIFIER: US 2125071 A

TITLE: Battery protecting control scheme

DATE-ISSUED: July 26, 1938

INVENTOR-NAME: HUTCHISON WILLIAM M; JONES RUEL C

US-CL-CURRENT: 320/123, 307/35, 307/64

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RIMC	Draw Desc	Image
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☐ 31. Document ID: US 1816967 A

L87: Entry 31 of 33

File: USOC

Aug 4, 1931

US-PAT-NO: 1816967

DOCUMENT-IDENTIFIER: US 1816967 A

TITLE: Telephone system

DATE-ISSUED: August 4, 1931

INVENTOR-NAME: GREEN IRVING W

US-CL-CURRENT: 379/131, 322/55, 379/320

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RIMC	Draw Desc	Image
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☐ 32. Document ID: US 1589489 A

L87: Entry 32 of 33

File: USOC

Jun 22, 1926

US-PAT-NO: 1589489

DOCUMENT-IDENTIFIER: US 1589489 A

TITLE: OCR SCANNED DOCUMENT

DATE-ISSUED: June 22, 1926

INVENTOR-NAME: Name not available

US-CL-CURRENT: 123/606; 315/201, 315/206, 315/209M, 315/212, 315/218

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw Desc	Image
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☐ 33. Document ID: US 1366617 A

L87: Entry 33 of 33

File: USOC

Jan 25, 1921

US-PAT-NO: 1366617

DOCUMENT-IDENTIFIER: US 1366617 A

TITLE: Telegraphone

DATE-ISSUED: January 25, 1921

INVENTOR-NAME: WIER HARRY B; CAPEN WILLIAM H

US-CL-CURRENT: 360/86

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	RMC	Draw Desc	Image
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Term	Documents
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BEAMS	500830
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(L86 AND (PARALLEL OR BAR OR ROD OR BEAM) ) . PGPB, USPT, USOC, EPAB, JPAB, DWPI, TBD.	33